

### Abstract of the Disclosure

An area designing method for a mobile communication system, comprising steps of: placing a plurality of communicating mobile stations corresponding to traffic distribution information; deciding a base station to which each of the mobile stations is radio linked; calculating a transmission power of a desired wave signal that each base station transmits to each of the mobile stations that are radio linked thereto; successively selecting one from a plurality of evaluation positions in a state that each of the base stations is transmitting the desired wave signals; and calculating a reception power of a desired wave signal that an evaluation mobile station placed at each selected evaluation position receives from the base station that is radio linked thereto and reception powers of interference wave signals that the evaluation mobile station receives from the base station that is radio linked thereto and from each of the other base stations.